

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Smith et al.

Title: ELECTRONIC COMPONENT
RACK ASSEMBLY AND
METHOD

Appl. No.:

Filing
Date:

Examiner:

Art Unit:

CERTIFICATE OF EXPRESS MAILING	
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EV 095246885 US (Express Mail Label Number)	September 8, 2003 (Date of Deposit)
<hr/> Bernard L. Kleinke (Printed Name)	
 (Signature)	

DETAILED DISCUSSION OF REFERENCES

Dear Sir,

The following is respectfully submitted as a detailed discussion of the references and how the claimed subject matter is patentable over the references:

United States Patent No.4,258,967

There is disclosed an integral pivot and lock apparatus for slide rack mounted boxes. However, it does not disclose a vertical rack mounted computer device.

United States Patent No. 4,879,634

There is disclosed a rack mounted circuit board. However, it does not disclose a vertical rack mounted computer device.

United States Patent No. 4,977,532

There is disclosed an industrial computer system with removable equipment drawer. However, it does not disclose a vertical rack mounted computer device.

United States Patent No. 5,010,444

There is disclosed a rack mounted circuit board. However, it does not disclose a vertical rack mounted computer device.

United States Patent No. 5,216,579

There is disclosed a rack based packaging system for computers with cable, cooling and power management module. However, it does not disclose a vertical rack mounted computer device.

United States Patent No. 5,460,441

There is disclosed a rack-mounted computer apparatus. However, it does not disclose a vertical rack mounted computer device.

United States Patent No. 5,571,256

There is disclosed a server drawer slide mount apparatus for a rack-mounted computer system. However, it does not disclose a vertical rack mounted computer device.

United States Patent No. 5,684,671

There is disclosed a packaging architecture for a data server. However, it does not disclose a vertical rack mounted computer device.

United States Patent No. 5,877,938

There is disclosed a packaging architecture for a data server. However, it does not disclose a vertical rack mounted computer device.

United States Patent No. 5,896,273

There is disclosed a modular computer chassis interchangeable between stand alone and rack mounted states. However, it does not disclose a vertical rack mounted computer device.

United States Patent No. 6,025,989

There is disclosed modular node assembly for a rack mounted multiprocessor computer. However, it does not disclose a vertical rack mounted computer device.

United States Patent No. 6,058,025

There is disclosed a computer tailgate having expansion slot alignment pins. However, it does not disclose a vertical rack mounted computer device.

United States Patent No. 6,075,698

There is disclosed a removable fan for rack mounted rectifiers. However, it does not disclose a vertical rack mounted computer device.

United States Patent No. 6,220,456

There is disclosed a method and apparatus for supporting a computer chassis. However, it does not disclose a vertical rack mounted computer device.

United States Patent No. 6,305,556

There is disclosed a cable management solution for rack-mounted computers. However, it does not disclose a vertical rack mounted computer device.

United States Patent No. 6,315,249

There is disclosed a system for managing cables for a rack-mounted computer system. However, it does not disclose a vertical rack mounted computer device.

United States Patent No. 6,325,636

There is disclosed a passive midplane for coupling web server processing cards with a network interface(s). However, it does not disclose a vertical rack mounted computer device.

United States Patent Application No. 20030115323

There is disclosed an apparatus for monitoring mainframe computers at remote locations. However, it does not disclose the resetting of rack mounted computers.

United States Patent Application No. 20030084337

There is disclosed a remotely controlled failsafe boot mechanism and manager for a network device. However, it does not disclose the resetting of rack mounted computers.

All of the remaining references relate in computer systems, but none of them disclose, nor suggest, critical dimensions for facilitating high-density compact component mounting.

Date: September 8 , 2003

Respectfully submitted,

DUCKOR SPRADLING & METZGER
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San Diego, CA 92101-7915
Telephone: (619) 231-3666
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By


Bernard L. Kleinke
Attorney for Applicant
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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1

of 5

Application Number	
Filing Date	
First Named Inventor	Smith, John
Art Unit	
Examiner Name	

Attorney Docket Number 7719.116

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
Number-Kind Code ² (if known)					
A	US-	3,868,158	02.25.1975	Laboue	**
B	US-	4,258,967	03.31.1981	Boudreau	*
C	US-	4,672,509	06.09.1987	Speraw	**
D	US-	4,699,270	10.13.1987	Bohm	**
E	US-	4,774,631	09.27.1988	Okuyama	**
F	US-	4,879,634	11.07.1989	Storrow	*
G	US-	4,977,532	12.11.1990	Borkowicz	*
H	US-	5,010,444	04.23.1991	Storrow	*
I	US-	5,216,579 A	06.01.1993	Basara	*
J	US-	5,460,441 A	10.24.1995	Hastings	*
K	US-	5,570,740 A	11.05.1996	Flores	**
L	US-	5,571,256 A	11.05.1996	Good	*
M	US-	5,684,671 A	11.04.1997	Hobbs	*
N	US-	5,877,938 A	03.02.1999	Hobbs	*
O	US-	5,896,273 A	04.20.1999	Varghese	*
P	US-	6,025,989 A	02.15.2000	Ayd	*
Q	US-	6,058,025 A	05.02.2000	Ecker	*
R	US-	6,069,797 A	05.30.2000	Widmayer	**
S	US-	6,075,698 A	06.13.2000	Hogan	*

FOREIGN PATENT DOCUMENTS

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Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)						

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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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* disclosed in pre-examination search

** disclosed in co-pending US Application

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Sheet 2

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Attorney Docket Number 7719.116

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Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
T	US- 6,185,098 B1	02.06.2001	Benavides	**	
U	US- 6,220,456 B1	04.24.2001	Jensen	*	
V	US- 6,305,556 B1	10.23.2001	Mayer	*	
W	US- 6,315,249 B1	11.13.2001	Jensen	*	
X	US- 6,325,636 B1	12.04.2001	Hipp	*	
Y	US- 6,496,366 B1	12.17.2002	Coglitore	**	
Z	US- 2002/0006026 A1	01.17.2002	Takahashi	**	
AA	US- 6,499,609 B2	12.31.2002	Patriche	**	
BB	US- Re 35,915	10.06.1998	Hastings	*	
CC	US- Des. 407,385	03.30.1999	Belanger	*	
	US-				

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
DD	JP 11-135694		05.21.1999	Kondo Yoshihiro	**	✓
EE	JP 8-278834				**	
FF	JP 03-164999		07.16.1991	Kajiwara Shinji	***	✓
GG	JP 05-183282		07.23.1993	Fijita Shuhei	***	✓
HH	JP 07-312494		11.28.1995	Nakagawa Ryoich	***	✓
II	JP 08-172287		07.02.1996	Kaneko Masahiko	***	✓

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- * disclosed in pre-examination search
- ** disclosed in co-pending US Application
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Sheet 3 of 5

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Attorney Docket Number	7719.116

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	JJ	PCT/JP85/00640	11.15.1985	Katsuo Okuyama	***	✓
	KK	JP U4-28496	03.06.1992	Junichi	***	✓
	LL	JP 63-50196			***	
	MM	JP 57-128194			***	
	NN	JP 57-6296	01.13.1982	Masahira Abe	***	✓
	OO	JP 62-73592			***	

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Sheet 4

of 5

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	PP	JP 08-88489	02.04.1996	Hakamadani	***	✓
	QQ	JP 56-15097				

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Sheet	5	of	5	Attorney Docket Number	7719.116
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NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	OO	KOJIMA, YAMAZAKI, Cooling System Using Heat Pipes, Advances in Electronic Packaging 1992, ASME ***	

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